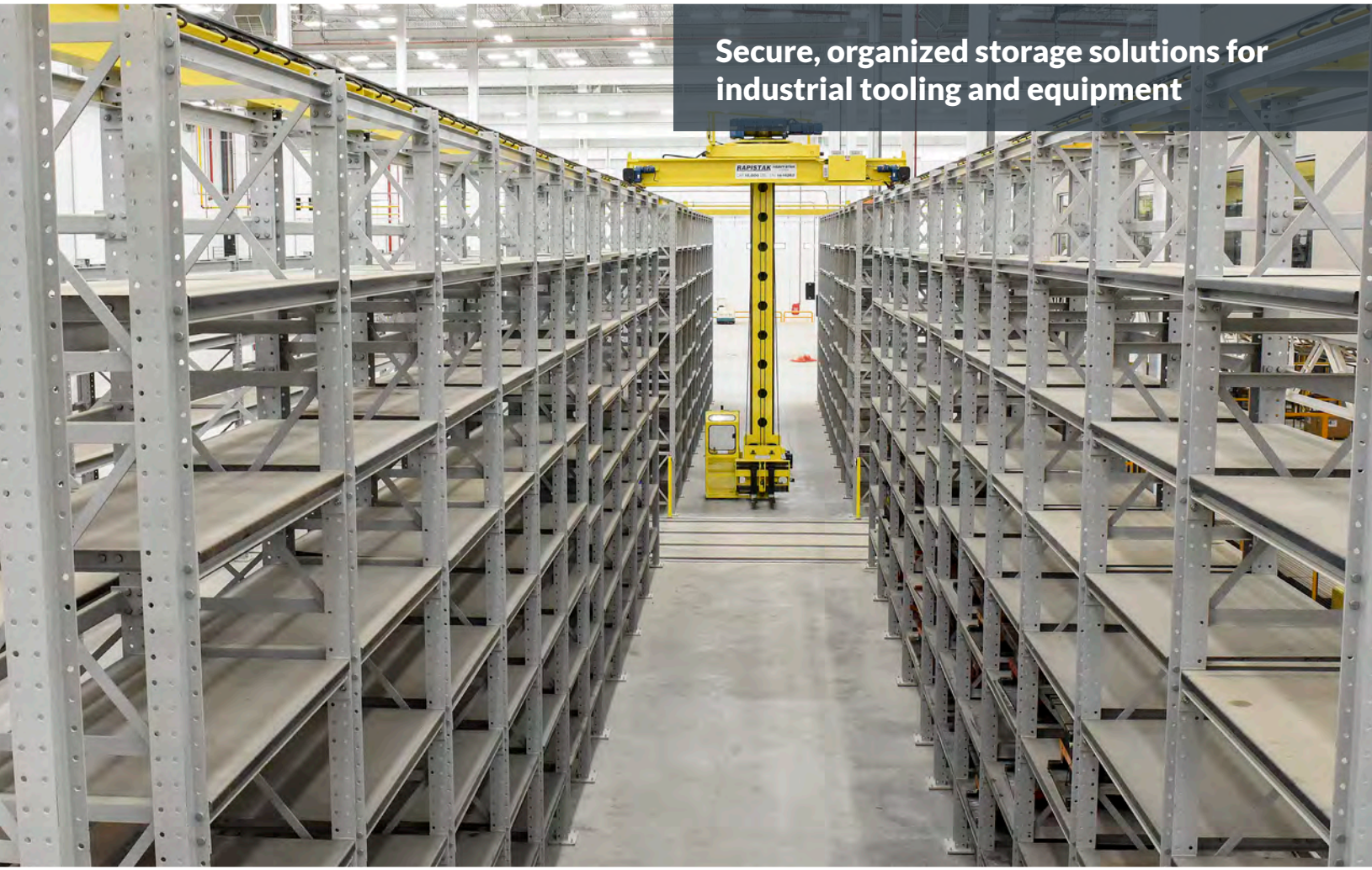


Dexco[®] Structural I-Beam Tool & Die Racks

Secure, organized storage solutions for
industrial tooling and equipment



Because tools and dies are vital components of your manufacturing processes, we think it makes a lot of sense to carefully consider how they're stored. Suitable storage of heavy or large forming dies, fixtures, jigs and molds requires more than standard pallet racks or spare floor space. Ross can design and manufacture an efficient, robust racking system to meet your unique needs. And like all of our rack solutions, Dexco Tool and Die Racks are built only with structural steel components for superior quality, strength and durability.



Dexco® Structural I-Beam Tool & Die Racks

Design Overview

Tooling, dies and other manufacturing equipment can be tricky to store because of their size, weight and inability to be stacked. As a result, these indispensable tools are often stored on the manufacturing floor, where they take up space, are susceptible to damage and can endanger workers. Dexco Tool and Die Racks provide vertical storage capacity on high-strength shelves designed to accommodate the unique characteristics of manufacturing equipment. This type of storage system offers many advantages including:

- **Organized storage:** Items can be stored either on removable deck plates, open beams or fork entry bars for easy location and access
- **Maximized floor space:** Tool & die racks free up valuable floor space for manufacturing
- **Reduced damage to critical fabrication equipment:** Items are protected from material handling equipment
- **Greater safety:** Engineered racks store tooling in a safe manner and reduce risk of worker injuries

Choose from standard designs or custom engineering. Standard designs offer the best value and shortest lead times.



Applications

- Dies
- Tooling
- Molds
- Jigs
- Fixtures
- Maintenance parts and equipment



Standard Features

Dexco Rack Systems are engineered using American Institute of Steel Construction (AISC) standards, which were developed to guide the design of large steel structures such as bridges and buildings. The stringent nature of these standards, coupled with Ross's conservative approach to structural rack design, mean you can be confident that your people and products are safe and secure. All vertical and horizontal members are manufactured using wide flange beams with a 50 KSI minimum yield, offering greater strength and durability compared to roll-formed steel. As a result, these racks better resist damage from material handling equipment and provide larger load capacity within a given space.



- Structural I-beam construction
- Shelving configurations include removable deck plate, open beam and fork entry bar to accommodate your specific storage needs
- Adjustable bolted shelf beam construction accommodates changing storage needs
- Shelf beams attach to the columns using A325 structural bolts. Predrilled holes are provided in upright baseplates for anchor bolt connections to the floor
- Shelf beams adjust in 4-inch increments
- Structural bolt-together brace systems offer lateral rigidity
- Modular design makes it easy to add more bays
- Columns and shelf beams are bundled for easy installation and cost-effective shipping
- Load capacities: Ross engineers racking systems to meet virtually any weight requirement. Typical systems support loads ranging from 2,000 pounds per tier up to 80,000 pounds per tier and higher

Optional Features

- Shelf beam adjustment in 3-inch increments
- Back stop beams to prevent stored items from being pushed off the back of the shelf

Powder Coat Color Options

Traffic Yellow
RAL 1023



Traffic Orange
RAL 2009



Signal Red
RAL 3001



Cobalt Blue
RAL 5013



Moss Green
RAL 6005



Terra Brown
RAL 8028



Ross Gray



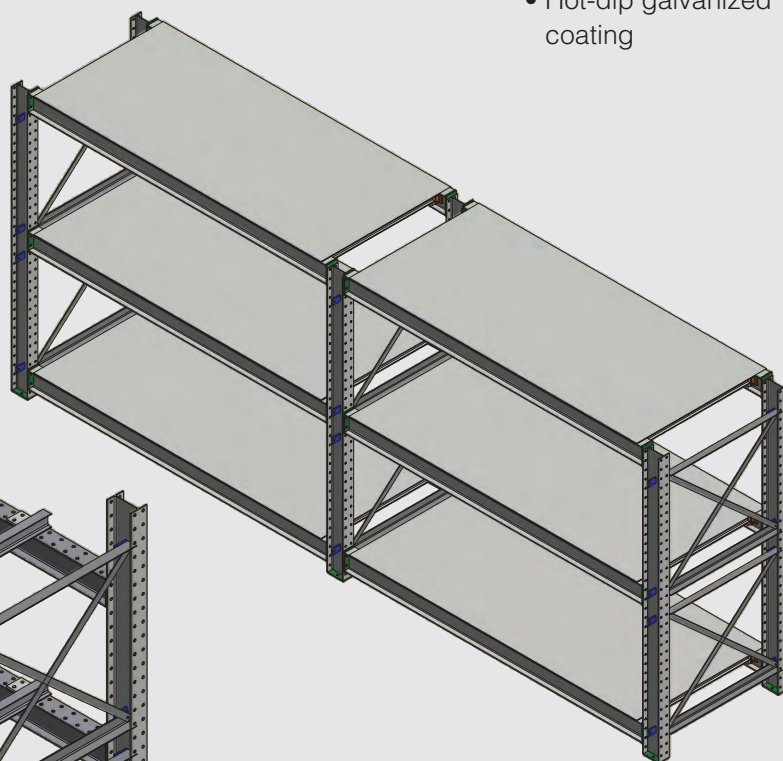
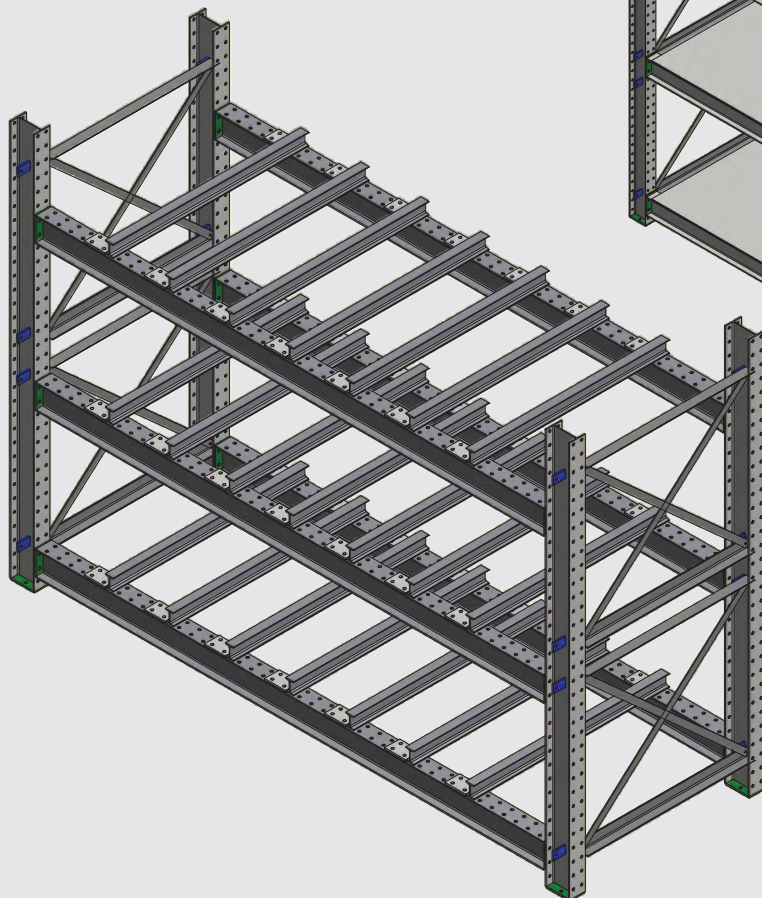
Standard Finish

- Factory-applied powder-coated finish

Optional Finish

- Hot-dip galvanized coating

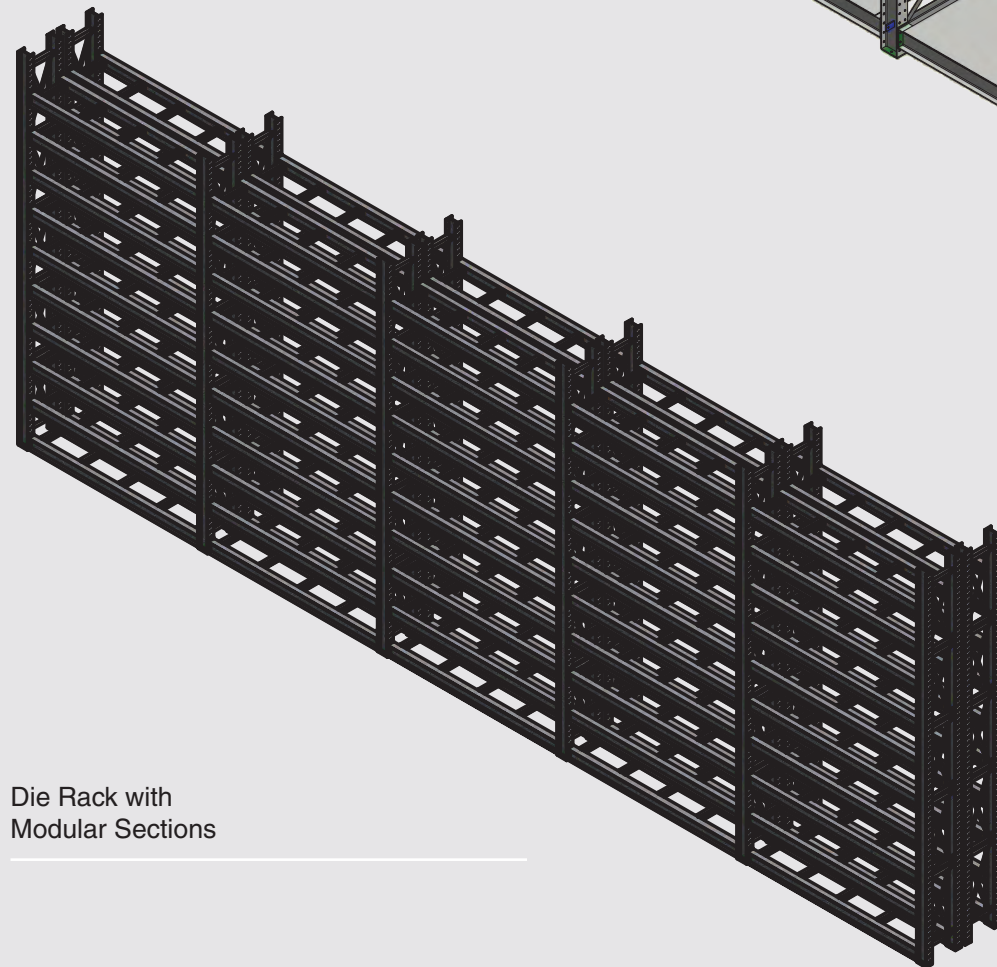
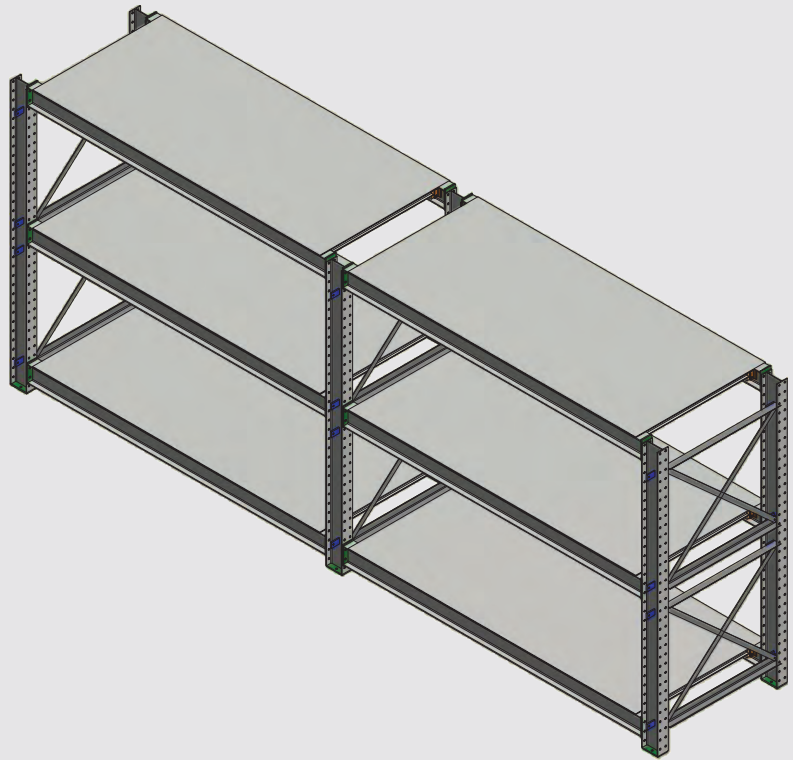
Die Rack with Solid Shelf



Die Rack with Fork Entry Bars

Optional Features

Die Rack with Solid Shelf



Die Rack with
Modular Sections



Technical Information

Applicable Standards, Testing & Certifications

- ANSI/AISC 360, Specification for Structural Steel Buildings
- AWS D1.1/D1.1M, Structural Welding Code – Steel
- ASTM A572, Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
- ASTM A36, Standard Specification for Carbon Structural Steel
- ASTM A325, Standard Specification for Structural Bolts, Steel
- ASTM A992, Standard Specification for Structural Steel Shapes

Quality Control

ISO 9001:2015

Installation Considerations

Columns and shelf beams are bundled to make installation simple and shipping cost-effective. Detailed installation manuals are provided for your installation crew.

Availability & Cost

Ross offers both standard and custom engineered tool and die rack designs for a wide range of weight and capacity requirements. Standard designs offer the best value and shortest lead times.

Warranty

Ross warrants that all of its manufactured products shall remain free of defects in material and workmanship under normal use for a period of one year from the date of delivery.

Maintenance

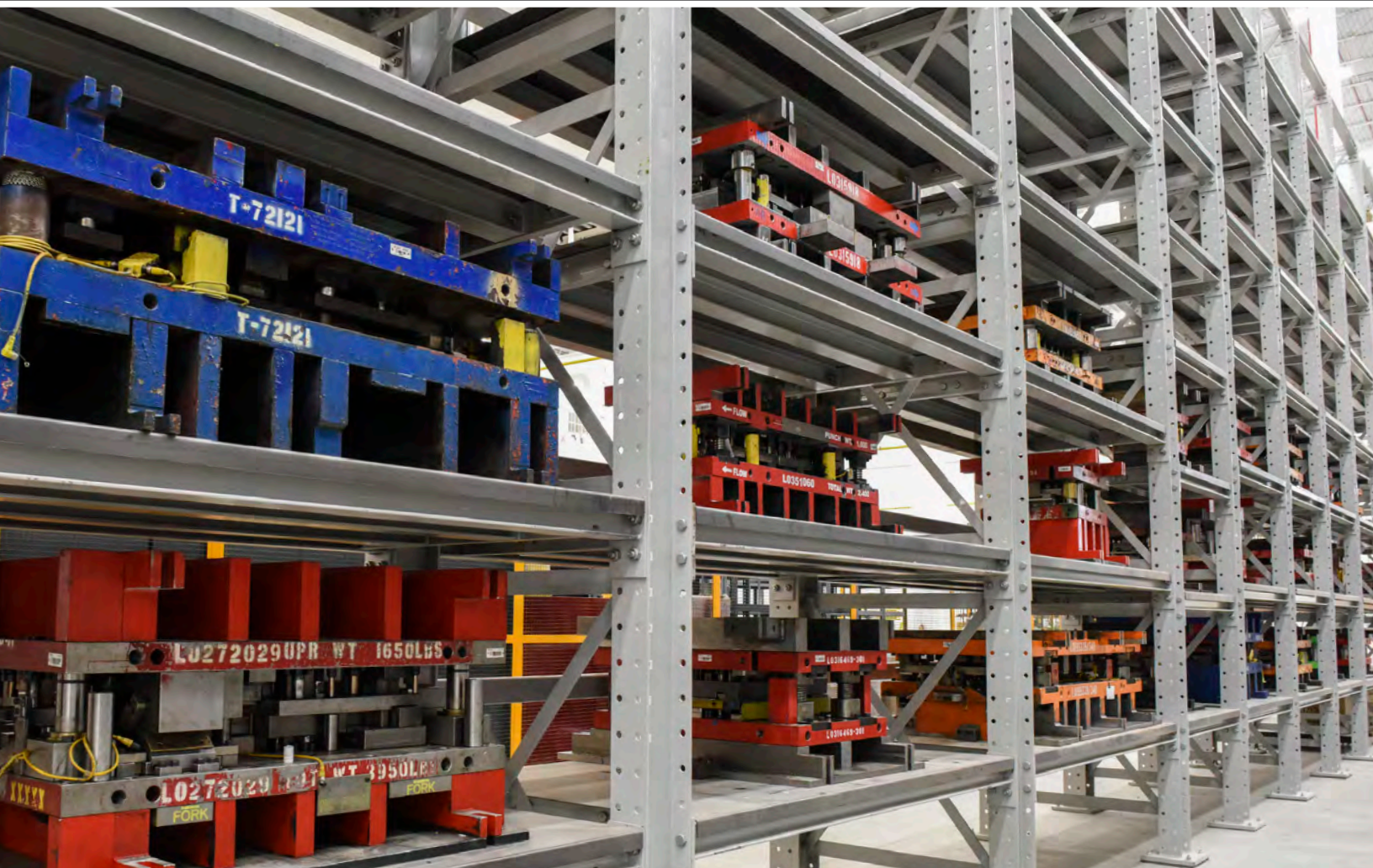
Semi-annual maintenance is recommended to

- 1) inspect structural components and welds for damage caused by overloading or forklift equipment;
- 2) tighten or replace missing bolts and anchors and;
- 3) confirm racks are plumb.

Technical Services

- Custom engineering and rack design
- Site specific drawings (available upon request with upcharge)

Product specifications and information may be downloaded at RossTechnology.com



Ross offers a complete line of structural steel racks

- Dexco Cantilever Racks
- Dexco Coil Racks
- Dexco Tool & Die Racks
- Dexco Salvage Yard Racks
- Dexco Specialized Racks
- Dexco Shed Racks

dexco[®]
STRUCTURAL STEEL
I-BEAM RACKING SYSTEMS

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